

Surface Water Treatment Rule

System Type - SW and GUI unfiltered systems that use Chlorine

System Name:

PWSID#:

Reporting period:

Signature: _____ Date: _____

System Information

Treatment plant/pump station:

Disinfectant Residual in the system

a = # of samples w/Cl₂ residual

b = # of samples where Cl₂ is not meas. but HPC's are

c = # of samples with Cl₂ not detected & no HPC

d = # of samples with Cl₂ not detected & HPC > 500/mL

e = # of samples where Cl₂ is not meas. & HPC > 500/mL

$$V = \frac{(c+d+e)}{(a+b)} \times 100$$

current month V =

V for previous month =

Is V > 5% for 2 months?

No

Yes

Disinfectant Residual at the entrance to the system					
Date	Daily min. mg/L	Date	Daily min. mg/L	Date	Daily min. mg/L
1		12		23	
2		13		24	
3		14		25	
4		15		26	
5		16		27	
6		17		28	
7		18		29	
8		19		30	
9		20		31	
10		21			
11		22			

Source Water Coliform

Cumulative number of months results reported:

Coliform sampling type:

fecal

Total

Number of coliform samples taken in the past 6 months:

Number of samples < 20/100 mL fecal or < 100/100 mL total:

Percentage meeting limit:

Is this < 90%?

No

Yes

Source Water Turbidity

Maximum turbidity for the current month:

Turbidity > 5 NTU over the past 120 months

Turbidity > 1 NTU this month

Date	Value	Date reported	Date	Value

Are any entrance values < 0.2 mg/L?

No

Yes

If yes, list dates and the duration the level was < 0.2mg/L

Date	Duration (hrs)	Date reported

Inactivation Ratios for Giardia for systems using Chlorine

Are any inactivation ratios (CT_{calc}/CT_{99.9}) < 1.0?

No

Yes

Date	Dis. Conc. "C" (mg/L)	peak flow (gpm)	Disinfectant contact time "T" (min)	CT _{calc} (=C×T)	pH (chlorine only)	Water Temp. (deg. C)	CT _{99.9} (calculated using equation)	CT _{calc} /CT _{99.9} inactivation ratio
1								
2								
3								
4								
5								
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